



Offshore Flow Severity Index

Issued: December 6, 2010

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
	Dec 06	Dec 07	Dec 08	Dec 09	Dec 10	Dec 11	Dec 12
SC08- South Coast		1				1	1

This is an experimental product and should be used with caution. **This product is not intended for the general public.**

RH (%)	Sustained Wind Speeds (MPH)							
	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35+
0-4	Category 1		Category 2		Category 3		Category 4	
5-9								
10-14								
15-19								
20-24								
25-29								
30-34								
35+								

Category	Event Impact	Expected Fire Activity
1	Minor	Little if any chance of a large fire
2	Moderate (Possible)	10 to 20 % chance of a large fire if an ignition occurs
3	Major (High Risk)	20 to 50 % chance of a large fire should an ignition occur
4	Severe (High Risk)	Greater than 50% chance of a large fire

The colors on the chart above correspond to the fuel dryness levels to the right, with category numbers superimposed on top.

Fuel Dryness

	Moist - Little or no risk for large fires.
	Dry - Low risk for large fires in the absence of a "High Risk" event.
	Very Dry - Low/Moderate threat of large fires in the absence of a "High Risk" event.

High Risk Days

	At least a 20% chance of a "Large Fire" due to a combination of either "Dry" or "Very Dry" fuel dryness <u>and</u> an Ignition Trigger.
	At least a 20% chance of a new "Large Fire" or significant growth on existing fires due to a combination of either "Dry" or "Very Dry" fuel dryness <u>and</u> a Critical Burn Environment.

The above chart uses the **1300 LST observation from the Saugus RAWs** to indicate the severity of the offshore event in its comprehensive form - meaning that the wind speed along with the humidity are the determining factors for how severe the offshore event will be **in terms of its impact upon the fire environment**. Large fire activity has been correlated to each category event which shows increasing probabilities of large fire occurrence in the higher categories. **This assumes the following:** 1) PSA dryness levels on the 7-Day product are either in the yellow or brown category, 2) Temperatures are at or above 65 degrees, 3) Little or no green-up has occurred, 4) Live fuel moisture levels are generally below 65 percent.